

Amendments to the Claims:

This listing of the claims replaces all prior versions and listing of the claims in the present application.

Listing of Claims:

1. (currently amended) A mobile radio communication system in which location-limited mobile stations can be used, comprising:

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a registered area storage means in which information concerning registered areas, which have been registered as areas where a location-limited mobile station is allowed to originate a call, is stored with regard to each location-limited mobile station, where the registered areas of each location-limited mobile station ~~can be~~ are altered to alternative registered areas during a preset time period that is defined prior to entry into the time period;

a registered area search means for referring to the registered area storage means and thereby searching for the registered areas of a location-limited mobile station when the location-limited mobile station originated a call;

an area comparison means for comparing the registered areas of the location-limited mobile station searched by the registered area search means with present location areas of the location-limited mobile station and thereby judging whether or

not a match occurred between the registered areas and the present location areas; and

a connection establishment means for executing a connection establishment process for the location-limited mobile station if a match occurred in the judgment by the area comparison means.

2. (original) A mobile radio communication system as claimed in claim 1, wherein the registered area storage means is designed so that the registered areas of each location-limited mobile station can be altered so as to change the total area of the registered areas.

3. (canceled)

4. (currently amended) A mobile radio communication system in which location-limited mobile stations can be used, comprising:

a registered area storage means in which information concerning registered areas, which have been registered as areas where a location-limited mobile station is allowed to conduct communication, is stored with regard to each location-limited mobile station, where the registered areas of each location-limited mobile station ~~can be~~ are altered to alternative registered areas during a preset time period that is defined prior to entry into the time period;

a present location area tracking means for keeping track of present location areas of a location-limited mobile station when the location-limited mobile station is conducting communication;

a registered area search means for referring to the registered area storage means and thereby searching for the registered areas of the location-limited mobile station;

61 an area comparison means for comparing the registered areas of the location-limited mobile station searched by the registered area search means with the present location areas of the location-limited mobile station tracked by the present location area tracking means and thereby judging whether or not a match occurred between the registered areas and the present location areas; and

a disconnection means for disconnecting the communication conducted by the location-limited mobile station if no match occurred in the judgment by the area comparison means.

5. (original) A mobile radio communication system as claimed in claim 4, wherein the registered area storage means is designed so that the registered areas of each location-limited mobile station can be altered so as to change the total area of the registered areas.

6. (canceled)

7. (currently amended) A mobile radio communication system in which location-limited mobile stations can be used, comprising:

B1 a registered area storage means in which information concerning registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call, is stored with regard to each location-limited mobile station, where the registered areas of each location-limited mobile station ~~can be~~ are altered to alternative registered areas during a preset time period that is defined prior to entry into the time period;

a registered area search means for referring to the registered area storage means and thereby searching for the registered areas of a location-limited mobile station when an incoming call to the location-limited mobile station occurred;

an area comparison means for comparing the registered areas of the location-limited mobile station searched by the registered area search means with present location areas of the location-limited mobile station and thereby judging whether or not a match occurred between the registered areas and the present location areas; and

a connection establishment means for executing a connection establishment process for the location-limited mobile

station if a match occurred in the judgment by the area comparison means.

8. (original) A mobile radio communication system as claimed in claim 7, wherein the registered area storage means is designed so that the registered areas of each location-limited mobile station can be altered so as to change the total area of the registered areas.

9. (canceled)

b1 10. (currently amended) A mobile radio communication system in which location-limited mobile stations can be used, comprising:

a registered area storage means in which information concerning registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call, is stored with regard to each location-limited mobile station, where the registered areas of each location-limited mobile station ~~can be~~ are altered to alternative registered areas during a preset time period that is defined prior to entry into the time period;

a registered area search means for referring to the registered area storage means and thereby searching for the registered areas of a location-limited mobile station when an incoming call to the location-limited mobile station occurred;

a paging means for letting base transceiver stations corresponding to the registered areas page the location-limited mobile station in the registered areas; and

a connection establishment means for executing a connection establishment process for the location-limited mobile station if the location-limited mobile station made a response to the paging.

B1 11. (original) A mobile radio communication system as claimed in claim 10, wherein the registered area storage means is designed so that the registered areas of each location-limited mobile station can be altered so as to change the total area of the registered areas.

12. (canceled)

13. (currently amended) A mobile radio communication system in which location-limited mobile stations can be used, comprising:

a registered area storage means in which information concerning registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call, is stored with regard to each location-limited mobile station, where the registered areas of each location-limited mobile station ~~can be~~ are altered to alternative registered areas during a preset time period that is defined prior to entry into the time period;

a paging means for letting base transceiver stations page a location-limited mobile station when an incoming call to the location-limited mobile station occurred;

a registered area search means for referring to the registered area storage means and thereby searching for the registered areas of the location-limited mobile station; and

B1 a connection establishment means for executing a connection establishment process for the location-limited mobile station if the location-limited mobile station made a response to the paging from its registered areas.

14. (original) A mobile radio communication system as claimed in claim 13, wherein the registered area storage means is designed so that the registered areas of each location-limited mobile station can be altered so as to change the total area of the registered areas.

15. (canceled)

16. (currently amended) A mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, comprising the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a registered area search step in which a registered area storage means, in which information concerning registered

areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to originate a call is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of a location-limited mobile station is searched for when the location-limited mobile station originated a call;

an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas during a the preset time period;

151 an area comparison step in which the registered areas of the location-limited mobile station searched in the registered area search step, including the alternative registration areas only during the preset time period, are compared with present location areas of the location-limited mobile station and thereby whether or not a match occurred between the registered areas and the present location areas is judged; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if a match occurred in the area comparison step.

17. (original) A mobile radio communication method as claimed in claim 16, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

18. (canceled)

19. (currently amended) A mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, comprising the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a present location area tracking step in which present location areas of a location-limited mobile station are kept track of when the location-limited mobile station is conducting communication;

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a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to conduct communication is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of the location-limited mobile station is searched for;

an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas during a the preset time period;

an area comparison step in which the registered areas of the location-limited mobile station searched in the registered area search step, including the alternative registration areas

only during the preset time period, are compared with present location areas of the location-limited mobile station tracked in the present location area tracking step and thereby whether or not a match occurred between the registered areas and the present location areas is judged; and

a disconnection step in which the communication conducted by the location-limited mobile station is disconnected if no match occurred in the area comparison step.

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20. (original) A mobile radio communication method as claimed in claim 19, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

21. (canceled)

22. (currently amended) A mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, comprising the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call is stored with regard to

each location-limited mobile station, is referred to and thereby the registered areas of a location-limited mobile station is searched for when an incoming call to the location-limited mobile station occurred;

an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas during a the preset time period;

B1 an area comparison step in which the registered areas of the location-limited mobile station searched in the registered area search step, including the alternative registration areas only during the preset time period, are compared with present location areas of the location-limited mobile station and thereby whether or not a match occurred between the registered areas and the present location areas is judged; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if a match occurred in the area comparison step.

23. (original) A mobile radio communication method as claimed in claim 22, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

24. (canceled)

25. (currently amended) A mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, comprising the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

BI a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of a location-limited mobile station is searched for when an incoming call to the location-limited mobile station occurred;

an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas during a the preset time period;

a paging step in which the location-limited mobile station is paged in the registered areas; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if the location-limited mobile station made a response to the paging.

26. (original) A mobile radio communication method as claimed in claim 25, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

27. (canceled)

28. (currently amended) A mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, comprising the steps of:

Bi a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a paging step in which a location-limited mobile station is paged when an incoming call to the location-limited mobile station occurred;

a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of the location-limited mobile station is searched for;

an area altering step in which the registered areas of each location-limited mobile station are altered to the

alternative registered areas only during a the preset time period; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if the location-limited mobile station made a response to the paging from its registered areas.

29. (original) A mobile radio communication method as claimed in claim 28, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

30. (canceled)

31. (currently amended) A machine-readable record medium storing a program for instructing a machine, a computer unit, etc. to execute a mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, wherein the mobile radio communication method comprises the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station

is allowed to originate a call is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of a location-limited mobile station is searched for when the location-limited mobile station originated a call;

an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas during a the preset time period;

31 an area comparison step in which the registered areas of the location-limited mobile station searched in the registered area search step, including the alternative registration areas only during the present time period, are compared with present location areas of the location-limited mobile station and thereby whether or not a match occurred between the registered areas and the present location areas is judged; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if a match occurred in the area comparison step.

32. (original) A machine-readable record medium as claimed in claim 31, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

33. (canceled)

34. (currently amended) A machine-readable record medium storing a program for instructing a machine, a computer unit, etc.

to execute a mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, wherein the mobile radio communication method comprises the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

B1 a present location area tracking step in which present location areas of a location-limited mobile station are kept track of when the location-limited mobile station is conducting communication;

a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to conduct communication is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of the location-limited mobile station is searched for;

an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas during a the preset time period;

an area comparison step in which the registered areas of the location-limited mobile station searched in the registered

area search step, including the alternative registration areas only during the preset time period, are compared with present location areas of the location-limited mobile station tracked in the present location area tracking step and thereby whether or not a match occurred between the registered areas and the present location areas is judged; and

a disconnection step in which the communication conducted by the location-limited mobile station is disconnected if no match occurred in the area comparison step.

B1 35. (original) A mobile radio communication method as claimed in claim 34, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

36. (canceled)

37. (currently amended) A machine-readable record medium storing a program for instructing a machine, a computer unit, etc. to execute a mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, wherein the mobile radio communication method comprises the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of a location-limited mobile station is searched for when an incoming call to the location-limited mobile station occurred;

an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas during a the preset time period;

151 an area comparison step in which the registered areas of the location-limited mobile station searched in the registered area search step, including the alternative registration areas only during the preset time period, are compared with present location areas of the location-limited mobile station and thereby whether or not a match occurred between the registered areas and the present location areas is judged; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if a match occurred in the area comparison step.

38. (original) A mobile radio communication method as claimed in claim 37, wherein the registered areas of each

location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

39. (canceled)

40. (currently amended) A machine-readable record medium storing a program for instructing a machine, a computer unit, etc. to execute a mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, wherein the mobile radio communication method comprises the steps of:

51 a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of a location-limited mobile station is searched for when an incoming call to the location-limited mobile station occurred;

an area altering step in which the registered areas of each location-limited mobile station are altered to the

alternative registered areas only during a the preset time period;

a paging step in which the location-limited mobile station is paged in the registered areas; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if the location-limited mobile station made a response to the paging.

B1 41. (original) A mobile radio communication method as claimed in claim 40, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

42. (canceled)

43. (currently amended) A machine-readable record medium storing a program for instructing a machine, a computer unit, etc. to execute a mobile radio communication method for a mobile radio communication system in which location-limited mobile stations can be used, wherein the mobile radio communication method comprises the steps of:

a preset time period defining step in which a preset time period is defined during which alternative registered areas are effective;

a paging step in which a location-limited mobile station is paged when an incoming call to the location-limited mobile station occurred;

a registered area search step in which a registered area storage means, in which information concerning registered areas, including the alternative registered areas, which have been registered as areas where a location-limited mobile station is allowed to receive an incoming call is stored with regard to each location-limited mobile station, is referred to and thereby the registered areas of the location-limited mobile station is searched for;

161 an area altering step in which the registered areas of each location-limited mobile station are altered to the alternative registered areas only during a the preset time period; and

a connection establishment step in which a connection establishment process is executed for the location-limited mobile station if the location-limited mobile station made a response to the paging from its registered areas.

44. (original) A mobile radio communication method as claimed in claim 43, wherein the registered areas of each location-limited mobile station are allowed to be altered so as to change the total area of the registered areas.

45. (canceled)